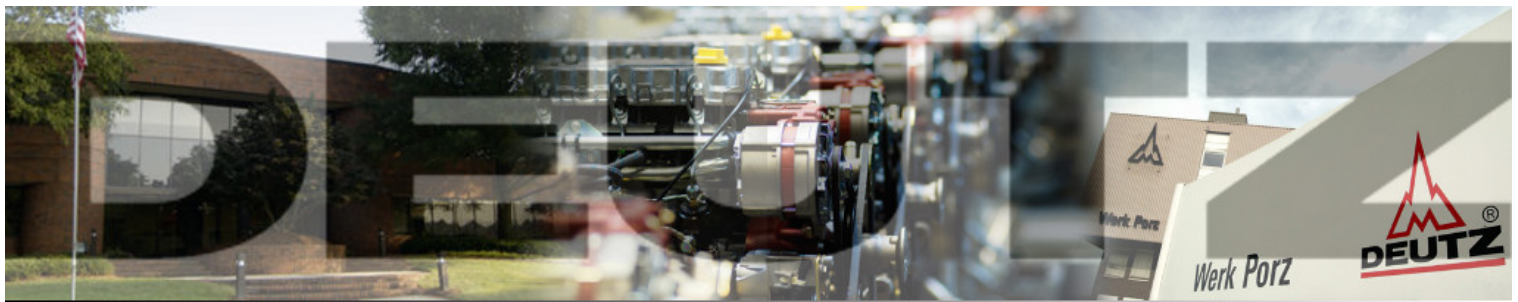


Technical Training Program

DEUTZ Americas Training Program

With over 150 years of engine experience to draw from, DEUTZ offers effective training to meet your needs. Whether you are an end user, equipment manufacturer, or service center, we can provide courses that are relevant to your business. Our factory certified courses provide in depth coverage of the latest industrial engine technologies primarily focusing on how to efficiently maintain, diagnose, and repair the full DEUTZ product line.

- Training Program Overview
- Training Enrollment
- Available Learning Plans
- COVID Strategy
- 2020 Training Events



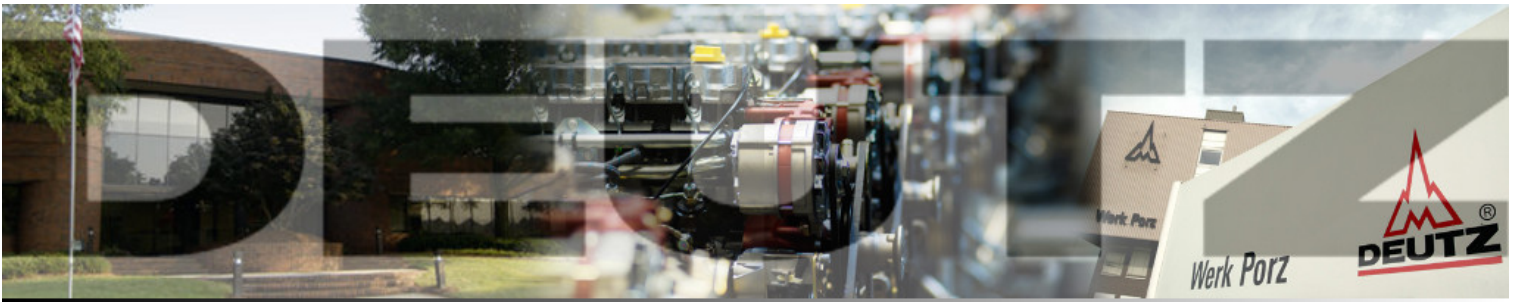
Technical Training Program

Training Program Overview

Subjects are broken into learning plans which contain all activities necessary to become proficient with a subject. This may include online courses, classroom training, as well as post-tests.

Three competency levels are available to assist you in finding the training that best suits to your needs:

- CC1**
Developed for entry level technical and non-technical roles
This training is typically comprised of online courses that are intended to cover the basics.
- CC2**
Developed for End Users, Rentals, Equipment Manufacturers, and CC2 Dealers
This training is typically 1 day in length and covers external engine including fuel, emissions, and electrical systems.
- CC3**
Developed for Distributors and CC3 Dealers
This training is typically 3-5 days in length and covers the entire engine including internal mechanical, fuel, emissions, and electrical systems



Technical Training Program

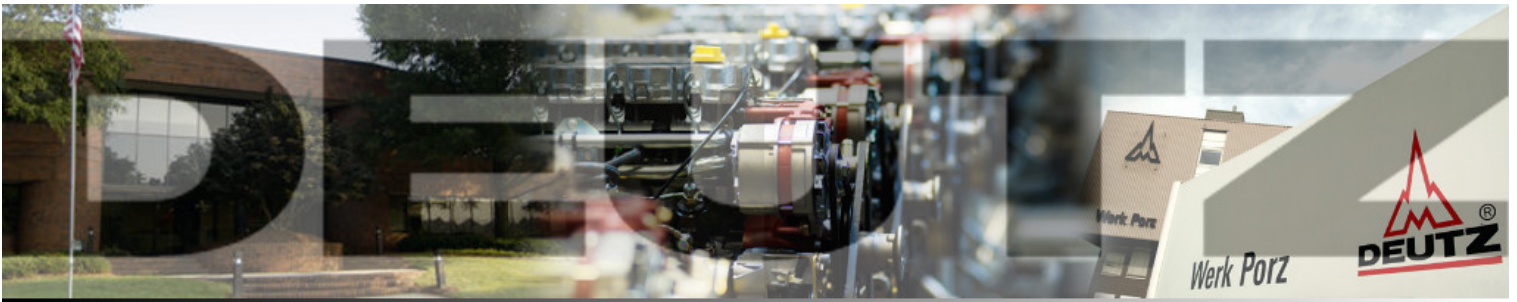
Learning Plan Enrollment

You can begin by requesting your free DEUTZ Learning Center account at www.dcatraining.com.

[Click to visit the Online Learning Center](http://www.dcatraining.com)

Learning plans are often assigned automatically based on your employer or occupation and can be found under My Assigned Learning Plans on the left side of the page. Additional plans can be found on the right side under Available Learning Plans. You can start any learning plan by clicking on its name.

My Assigned Learning Plans	Introduction	Available Learning Plans
<p>Showing latest: 4 records</p> <p>CC3 Technician Certification 12-16 Liter V Certification Due date: 9/11/2021</p> <p>A CC3 level certification program for the DEUTZ TCD2015, 12.0, and 16.0 engine models. This includes online courses followed by approximately 1 week of classroom training.</p> <p>CC3 Technician Certification 9-14 Liter Inline Certification Due date: 9/11/2021</p> <p>A CC3 level certification program for the DEUTZ TCD9.0, 12.0, and 13.0 inline engine models. This includes online courses followed by approximately 1 week of classroom training.</p> <p>CC3 Technician Certification Electronic Governing Certification Due date: 9/11/2021</p> <p>A CC3 level certification program for the DEUTZ SerDia diagnostic software and electronic governing systems. This includes online courses followed by approximately 1 week of classroom training.</p> <p>CC3 Technician Certification 2-4 Liter Certification Due date: 9/9/2020</p> <p>A CC3 level certification program for the DEUTZ T/C/D2.2, 2.9, and 3.6 engine models. This includes online courses followed by approximately 1 week of classroom training.</p>	<p>Introduction</p> <p>Product specific learning plans bundle the online and classroom training required for technician certification.</p> <p>My Assigned Learning Plans</p> <p>Training that has been assigned to you can be found under "My Assigned Learning Plans" on the left side of the page. Learning plans listed here are a required part of your technician certification.</p> <p>Available Learning Plans</p> <p>You can complete additional product specific learning plans by using the "Available Learning Plans" list on the right side of the page.</p> <p>Please note that technician certification does not determine the ability to conduct warranty repairs unless a current dealer, distributor, or OEM contract with DEUTZ is in place.</p>	<p>CC3 2-4 Liter</p> <p>A learning plan composed of an 8 hour course and online prerequisites covering the DEUTZ T/C/D2.2, 2.9, and 3.6 diesel engines.</p> <p>CC3 2-4 Liter</p> <p>A learning plan composed of a 30 hour course and online prerequisites covering the DEUTZ T/C/D2.2, 2.9, and 3.6 diesel engines.</p> <p>CC3 4-8 Liter</p> <p>A learning plan composed of an 8 hour course and online prerequisites covering the DEUTZ T/C/D4.1, 6.1, and 7.8 diesel engines.</p> <p>CC3 4-8 Liter</p> <p>A learning plan composed of a 40 hour course and online prerequisites covering the DEUTZ T/C/D4.1, 6.1, and 7.8 diesel engines.</p> <p>CC3 12-16 Liter V</p> <p>A learning plan composed of a 32 hour course and online prerequisites covering the DEUTZ T/C/D2015, 12.0, and 16.0 diesel engines.</p> <p>CC3 Electronic Governing</p> <p>A learning plan composed of a 32 hour course and online prerequisites covering the SerDia diagnostic software and electronic governing systems as applied by DEUTZ AG.</p> <p>Application Engineering</p> <p>A 24 hour course and online prerequisites intended for distributor application engineers covering application reviews on new DEUTZ 2.2 - 7.8 liter engine installations.</p>



Technical Training Program

Once a plan has been opened, a list of required courses will be provided in the order in which they must be completed. To open a course, select it and click the Open or View button.

If an instructor led (classroom) event is part of a learning plan, you will need to enroll in a specific classroom event. To do so, open the instructor led course (shown below) and then scroll down to select a specific event you would like to enroll in.

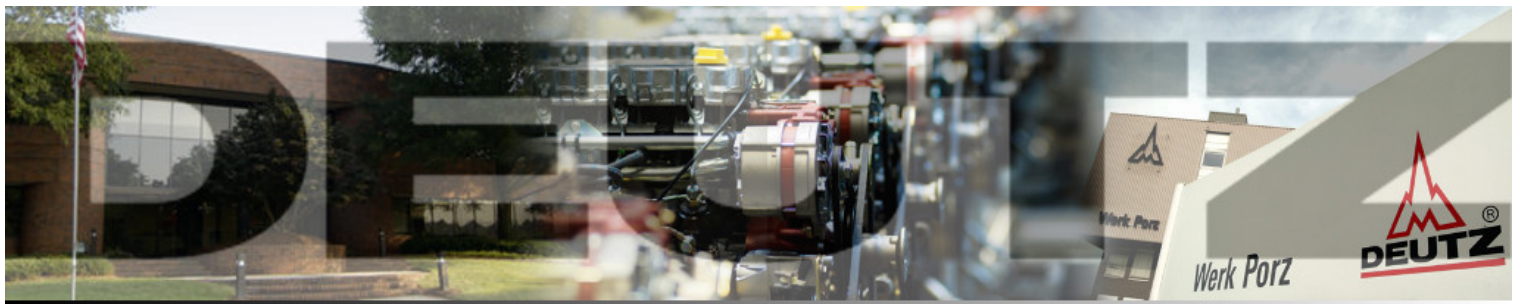
Select	Course Name	Type	Status	Progress
<input type="radio"/>	DEUTZ Basic Common Rail	Online Course	Active	Completed
<input type="radio"/>	Tier 4 Emissions	Online Course	Active	Completed
<input type="radio"/>	DEUTZ Sub 4 Liter introduction Course 1	Online Course	Active	Completed
<input type="radio"/>	DEUTZ Sub 4 Liter introduction Course 2	Online Course	Active	Completed
<input type="radio"/>	CC3 2-4 Liter	Instructor Led	Active	Not Attempted
<input type="radio"/>	2-4 Liter CC3 Technician Certification	Online Course	Active	Not Attempted

Most learning plans require that an online test be completed in order to receive certification. If required, this test will be the last item in the learning plan and can be found after the Instructor Led (classroom) event.

Select	Course Name	Type	Status	Progress
<input type="radio"/>	DEUTZ Basic Common Rail	Online Course	Active	Completed
<input type="radio"/>	Tier 4 Emissions	Online Course	Active	Completed
<input type="radio"/>	DEUTZ Sub 4 Liter introduction Course 1	Online Course	Active	Completed
<input type="radio"/>	DEUTZ Sub 4 Liter introduction Course 2	Online Course	Active	Completed
<input type="radio"/>	CC3 2-4 Liter	Instructor Led	Active	Not Attempted
<input type="radio"/>	2-4 Liter CC3 Technician Certification	Online Course	Active	Not Attempted

If you already have a Learning Center account, you can click [here](#) to take a 7 minute course covering use of the Learning Center. This course addresses the following topics.

- Basic navigation
- Completing online prerequisite courses
- Enrolling in classroom training events



Technical Training Program

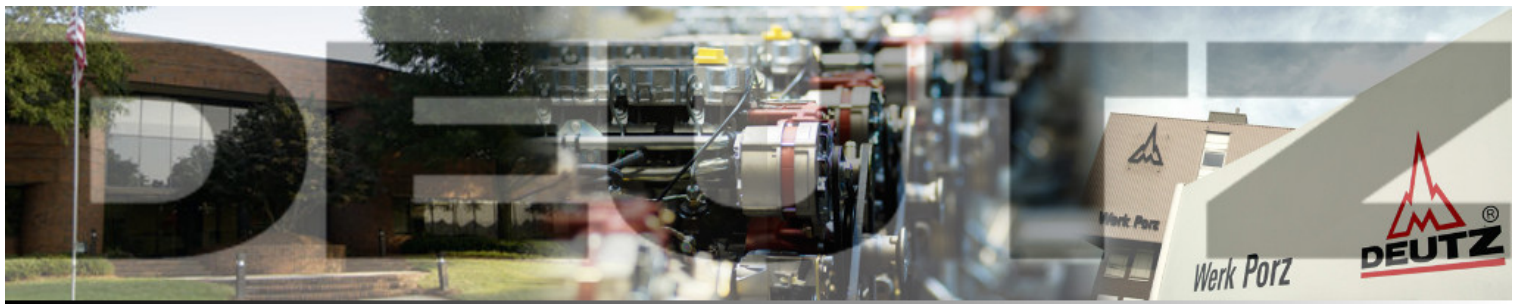
Available Learning Plans

Learning Plan	CC3 1-2 Liter
Description	An online certification program for the new DEUTZ D1.2 L03 engine model.
Required Courses	1-2 Liter Courses 1 - 3 (online)
	Post Test (online)

Learning Plan	CC2 2-4 Liter
Description	A CC2 level certification program for the DEUTZ T/C/D2.2, 2.9, and 3.6 engine models.
Required Courses	DEUTZ Basic Common Rail (online)
	Tier 4 Emissions (online)
	2-4 Liter Introduction 1&2 (online)
	Serdia 2010 Introduction (online)
	CC2 2-4 Liter Certification 1&2 (online)
	Post Test (online)

Learning Plan	CC2 2-4 Liter Rental Certification
Description	A CC2 level rental certification program for the DEUTZ T/C/D2.2, 2.9, and 3.6 engine models.
Required Courses	DEUTZ Basic Common Rail (online)
	Tier 4 Emissions (online)
	2-4 Liter Introduction 1&2 (online)
	Serdia 2010 Introduction (online)
	CC2 2-4 Liter Rental Certification 1&2 (online)
	Post Test (online)

Learning Plan	CC3 2-4 Liter
Description	A CC3 level certification program for the DEUTZ T/C/D2.2, 2.9, and 3.6 engine models.
Required Courses	DEUTZ Basic Common Rail (online)
	Tier 4 Emissions (online)
	2-4 Liter Introduction 1&2 (online)
	Serdia 2010 Introduction (online)
	CC3 2-4 Liter (30 hour classroom)
	Post Test (online)



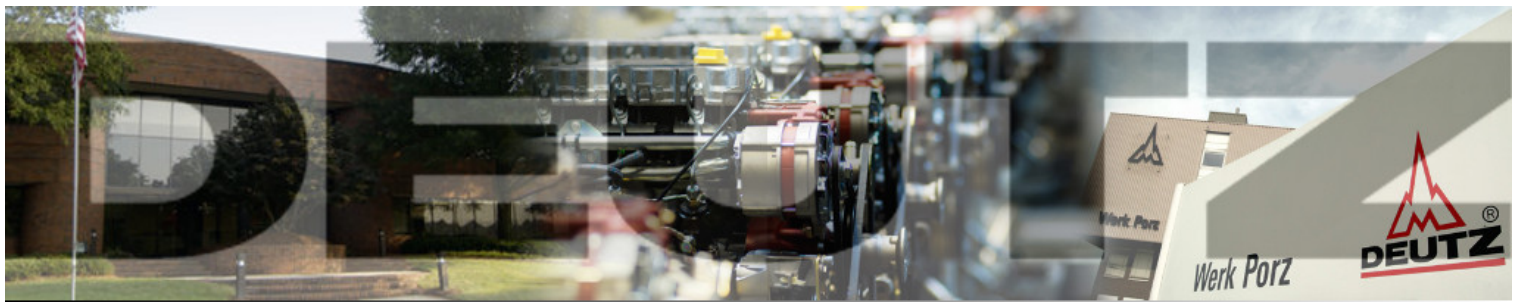
Technical Training Program

Learning Plan	CC2 4-8 Liter
Description	A CC2 level certification program for the DEUTZ TCD4.1, 6.1, and 7.8 engine models.
Required Courses	DEUTZ Basic Common Rail (online)
	Tier 4 Emissions (online)
	4-8 Liter Introduction 1&2 (online)
	Serdia 2010 Introduction (online)
	CC2 4-8 Liter (8 hour classroom)
	Post Test (online)

Learning Plan	CC3 4-8 Liter
Description	A CC3 level certification program for the DEUTZ TCD4.1, 6.1, and 7.8 engine models.
Required Courses	DEUTZ Basic Common Rail (online)
	Tier 4 Emissions (online)
	4-8 Liter Introduction 1&2 (online)
	Serdia 2010 Introduction (online)
	CC3 4-8 Liter (40 hour classroom)
	Post Test (online)

Learning Plan	CC3 12-16 Liter
Description	A CC3 level certification program for the DEUTZ TCD2015, 12.0, and 16.0 engine models.
Required Courses	DEUTZ Basic Common Rail (online)
	Tier 4 Emissions (online)
	Serdia 2010 Introduction (online)
	CC3 12-16 Liter (40 hour classroom)
	Post Test (online)

Learning Plan	CC2 Electronic Governing
Description	A CC2 level certification program for the DEUTZ Serdia diagnostic software and electronic governing systems.
Required Courses	Basic Electrical 1-3 (online)
	Electrical Schematic Overview (online)
	CAN Bus System Fundamentals (online)
	Serdia 2010 Introduction (online)
	CC2 Electronic Governing (8 hour classroom)
	Post Test (online)



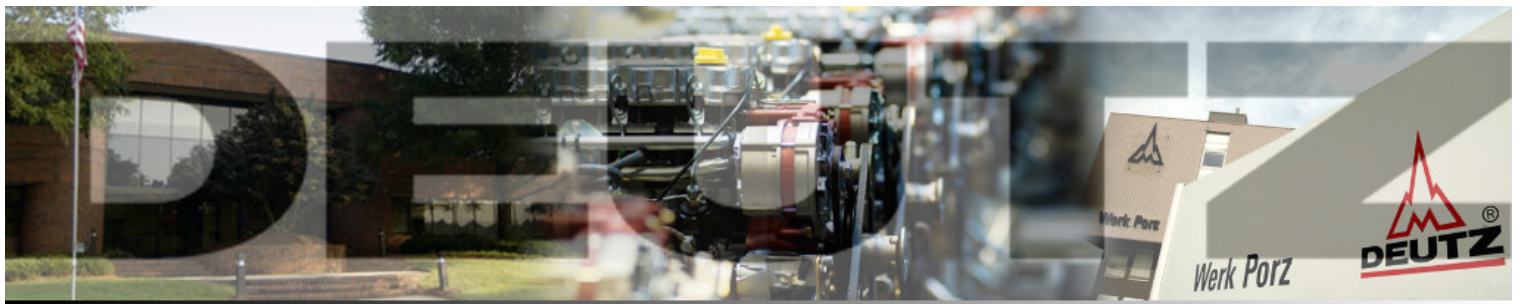
Technical Training Program

Learning Plan	CC3 Electronic Governing
Description	A CC3 level certification program for the DEUTZ Serdia diagnostic software and electronic governing systems.
Required Courses	Basic Electrical 1-3 (online)
	Electrical Schematic Overview (online)
	CAN Bus System Fundamentals (online)
	Serdia 2010 Introduction (online)
	CC3 Electronic Governing (32 hour classroom)
	Post Test (online)

Learning Plan	Application Engineering
Description	A certification program for the Distributor application engineers.
Required Courses	DEUTZ 1-2 Liter courses 1-3 (online)
	DEUTZ 2-4 Liter courses 1-2 (online)
	DEUTZ 4-8 Liter courses 1-2 (online)
	Basic Electrical courses 1-3 (online)
	Electrical Schematic Overview (online)
	CAN Bus System Fundamentals (online)
	Precision Measuring Tools (online)
	Serdia 2010 courses 1-2 (online)
	DEUTZ Tier 4 Application Engineering (classroom)

Learning Plan	CC1 Failure Analysis
Description	A basic technical knowledge development plan addressing failure analysis as it applies to diesel engines
Required Courses	Course 1 Introduction
	Course 2 Lubricating Oil
	Course 3 Bearings
	Course 4 Crankshaft
	Course 5 Connecting Rod
	Course 6 Piston
	Course 7 Root Cause Analysis

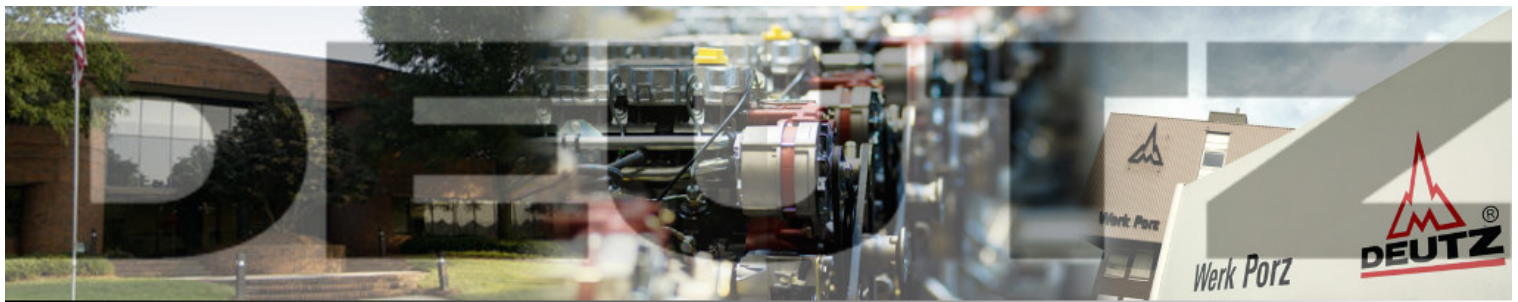
Learning Plan	CC1 Technical Knowledge Development P1
Description	A basic technical knowledge development plan for those in non-technical roles.
Required Courses	Diesel Engine Basics (online)
	Basic Hand Tools (online)
	Precision Measuring Tools (online)



Technical Training Program

Learning Plan	CC1 Technical Knowledge Development P2
Description	A basic technical knowledge development plan.
Required Courses	Basic Electrical 1-3 (online)
	Electrical Schematic Overview (online)
	CAN Bus System Fundamentals (online)

Learning Plan	CC1 Technical Knowledge Development P3
Description	A basic technical knowledge development plan.
Required Courses	Basic Hydraulics 1-3 (online)
	Hydraulic Schematic Overview (online)



Technical Training Program

COVID Strategy

Due to concerns over the COVID 19 virus, DEUTZ Corporation has temporarily suspended field training activities.

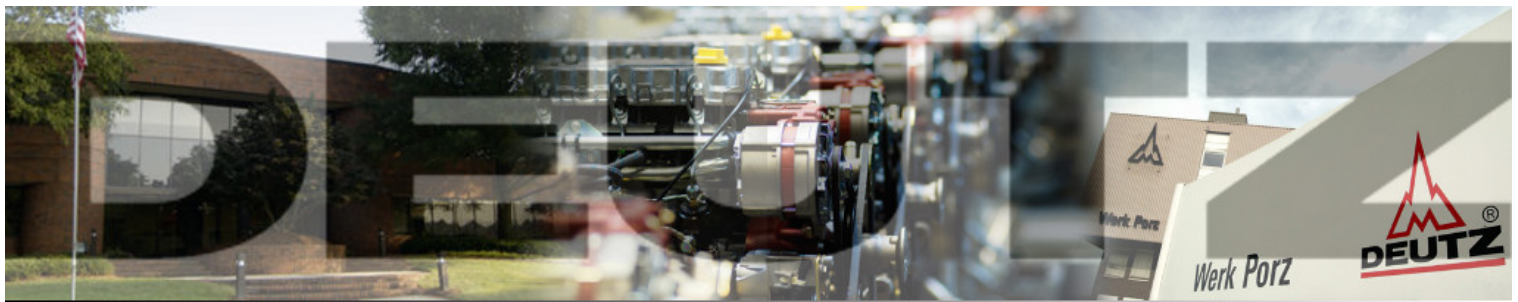
For training conducted at DEUTZ facilities, we have implemented the following strategy.

Requirements

- Training participants must complete and submit the following prior to arriving at any Deutz facility:
 1. COVID-19 Questionnaire
 2. Self-Screen Checklist
- Upon arrival, notify your contact and proceed to the designated entrance.
- Wait for contact to arrive to conduct a temperature check.
- Only use training room, breakroom, and restroom designated by Deutz trainer.
- Do not come in contact with any other Deutz employee other than those participating in the training class.
- Wear a face mask at all times, excluding eating and drinking.
- Maintain 6' social distancing at all times when necessary.
- Sit only at designated seat.
- Clean your area prior and after use with supplied cleaning supplies.
- Exit only through the designated exit.
- Conduct Self-Screening as requested and present checklist to contact each morning of training class.

Anyone attending training at the DEUTZ Corporation - Norcross, GA facility must complete the following form and email it to STraining.usa@deutz.com it on arrival.

Training being conducted at other facilities may have their own requirements.

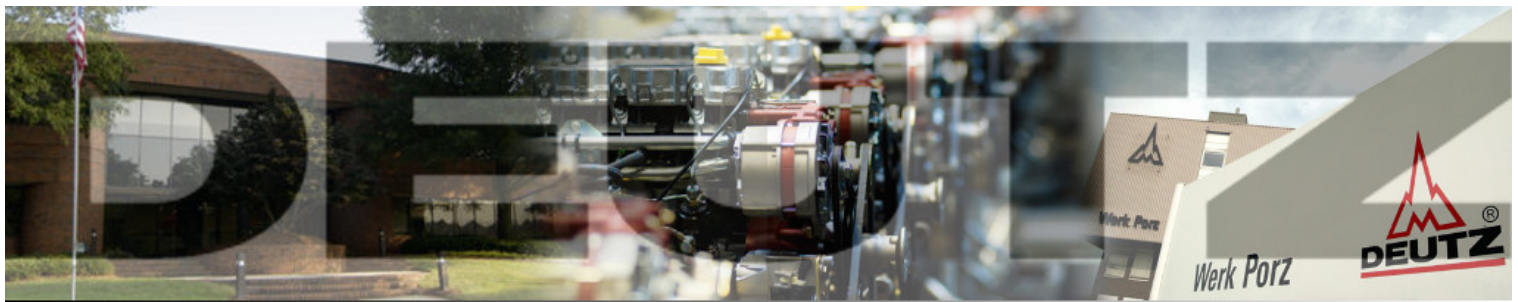


Technical Training Program

2020 Instructor Led Training Events

Course name	CC2 2-4 Liter
Objective	After completing this 8 hour course and online prerequisites, the student will have gained a thorough understanding of the T/C/D2.2, 2.9, and 3.6 diesel engines developed by DEUTZ AG. This includes the use of relevant service tools, troubleshooting, and repair techniques which are reinforced through theory and hands-on instruction.
Duration	1 day
Location / Dates	
Norcross, GA	To be determined
Ephrata, PA	Sep 10 @ \$140.00/attendee
Montreal, QC	Sep 9, Sep 10 @ \$250.00/attendee (French language)

Course name	CC3 2-4 Liter
Objective	After completing this 30 hour course and online prerequisites, the student will have gained a thorough understanding of the T/C/D2.2, 2.9, and 3.6 diesel engines developed by DEUTZ AG. This includes the use of relevant service tools, troubleshooting, and repair techniques which are reinforced through theory and hands-on instruction.
Duration	4 days
Location / Dates	
Norcross, GA	Jul 7-10, Sep 15-18 @ \$800.00/attendee
Ephrata, PA	Oct 6-9 @ \$800.00/attendee
Mira Loma, CA	Oct 20-23 @ \$640/attendee
Montreal, QC	Sep 22-25 @ \$1,200.00/attendee (French language)
Salt Lake City, UT	Oct 20-23 @ \$1,100.00/attendee

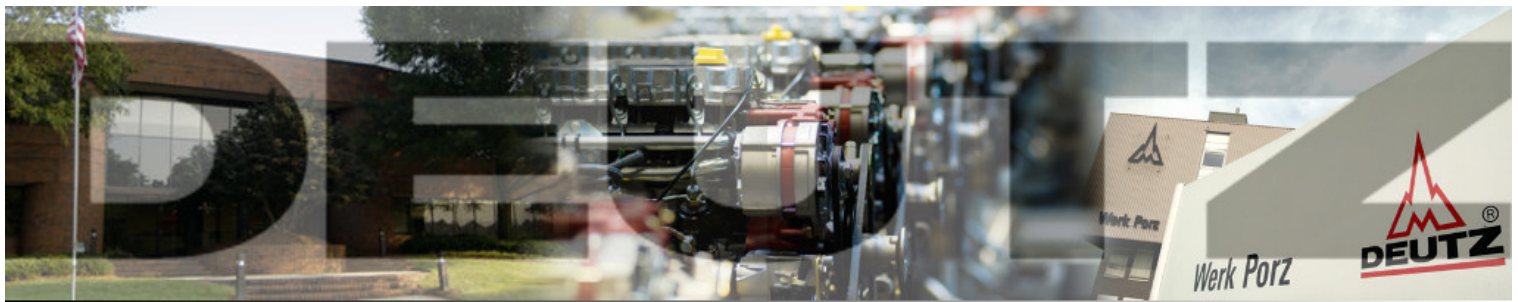


Technical Training Program

Course name	CC2 4-8 Liter
Objective	After completing this 8 hour course and online prerequisites, the student will have gained a thorough understanding of the T/C/D4.1, 6.1, and 7.8 diesel engines developed by DEUTZ AG. This includes the use of relevant service tools, troubleshooting, and repair techniques which are reinforced through theory and hands-on instruction.
Duration	1 days
Location / Dates	
Montreal, QC	Oct 20, Oct 21 @ \$250.00/attendee (French language)

Course name	CC3 4-8 Liter
Objective	After completing this 40 hour course and online prerequisites, the student will have gained a thorough understanding of the T/C/D4.1, 6.1, and 7.8 diesel engines developed by DEUTZ AG. This includes the use of relevant service tools, troubleshooting, and repair techniques which are reinforced through theory and hands-on instruction.
Duration	5 days
Location / Dates	
Atlanta, GA	Jul 20-24 @ \$800.00/attendee
Mira Loma, CA	Nov 16-20 @ \$800/attendee
Salt Lake City, UT	Oct 5-9 @ \$1,225.00/attendee

Course name	CC3 12-16 Liter V
Objective	After completing this 30 hour course and online prerequisites, the student will have gained a thorough understanding of the TCD12.0 and 16.0 diesel engines developed by DEUTZ AG. This includes the use of relevant service tools, troubleshooting, and repair techniques which are reinforced through theory and hands-on instruction.
Duration	4 days
Location / Dates	
Atlanta, GA	Dec 8-11 @ \$800.00/attendee



Technical Training Program

Course name	CC2 Advanced Serdia Diagnostics
Objective	After completing this 8 hour course and online prerequisites, the student will have gained a thorough understanding of electronic governing systems as applied by DEUTZ AG. This includes the use of relevant service tools and troubleshooting techniques which are reinforced through hands-on application.
Duration	4 days
Location / Dates	
Ephrata, PA	Sep 9 @ \$140.00/attendee

Course name	CC3 Advanced Serdia Diagnostics
Objective	After completing this 32 hour course and online prerequisites, the student will have gained a thorough understanding of electronic governing systems as applied by DEUTZ AG. This includes the use of relevant service tools and troubleshooting techniques which are reinforced through hands-on application.
Duration	4 days
Location / Dates	
Atlanta, GA	Aug 25-28 @ \$800.00/attendee
Ephrata, PA	Aug 18-21 @ \$800.00/attendee
Montreal, QC	Aug 25-28 @ \$1,200.00/attendee
Salt Lake City, UT	Dec 7-10 @ \$825.00/attendee

Course name	Application Engineering
Objective	After completing this 24 hour course and online prerequisites, the student will have gained a thorough understanding of application engineering as applied to the DEUTZ Tier 4 and Stage 5 product lines.
Duration	3 days
Location / Dates	
Atlanta, GA	Oct 27-29